WBLE-SL ▶ UECM1404-2	202305-EZZ ► Quizzes ► 202306UECM14040E4b ► Review of preview	Update this Quiz									
	Info Results Preview Edit										
202306UECM14040E4b											
Start again											
Stantad on T	Review of preview										
	uesday, 5 September 2023, 03:22 PM uesday, 5 September 2023, 03:22 PM										
Time taken 9											
Grade 0	out of a maximum of 10 (0%)										
1 🕏 Marks: 1	The one-year spot rate is 7.0%. A two year 600 bond maturing at par, with 6% annual coupon, is currently selling for its par value. Detrmine the two-year spot rate.										
	Answer:										
	Make comment or override grade Incorrect Correct answer: 0.059703										
	Marks for this submission: 0/1.										
2 🕏 Marks: 1	You are given the following information about two bonds that will mature in 6-years at par: Bond A B Bond B										
	Par value 750 1050 Annual coupon rate 8% 4% Price 500.0 735.0 Determine the 6-year spot rate										
	beetimine the 6 year specified.										
	Answer:										
	Make comment or override grade										
	Incorrect Correct answer: 0.053052										
	Marks for this submission: 0/1.										
3 🗑 Marks: 1	The following are the prices of 100 zero-coupon bonds redeemable at par: Term to Maturity Price 1 94.58 2 89.27 3 83.76										
	Determine the one-year forward rate deferred 3 years										
	Answer:										
	Make comment or override grade Incorrect Correct answer: 0.056507										

Marks for this s	submission: 0/1.								
4 👺 Marks: 1	The n-year spot rate of interest, s_n , is given by: $s_n = 0.03 + n^2/1000 \text{ for } n = 1, 2, \dots$								
	Calculate the one-year forward rates applicable at times $t = 8$								
	Answer:	<u>X</u>							
	Make comment or override grade								
	Incorrect Correct answer: 0.257								
	Marks for this submission	: 0/1.							
5 🕏	A perpetuity-immediate has annual payments of 1.03, 1.03 ² , 1.03 ³ , Determine the duration of this perpetuity at an effective rate of 6%.								
Marks: 1									
	Answer:	X							
	Make comment or override grade								
	Incorrect Correct answer: 35.333333								
	Marks for this submission	: 0/1.							
6 ፟	A company makes a loan and receive	s level annual repayments from the borrowers at the end of each year for 11 years. The effective rate of interest is 8.29%. What is the modified duration of the loan repayments?							
Marks: 1									
	Answer:	X X							
	Make comment or override grade								
	Incorrect Correct answer: 4.814536								
	Marks for this submission	: 0/1.							
7 🗹 Marks: 1	An investment will return 2,000 in tw	o years and 7,000 in five years. Determine the ratio of the convexity of the payments to their modified duration, evaluated at i = 8.3%.							
MdrkS: 1	Anguari								
	Answer:	X							
	Make comment or override grade								
	Incorrect Correct answer: 5.189								
	Marks for this submission	: 0/1.							
_									
8 👺 Marks: 1	A company must pay a liability of 300 to achieve full immunization.	10 in 2-years. Zero coupon bonds with terms of 1 year and 4 years are available for investment. The effective rate of interest is 7.5%. Determine how much of 1 year bond should the company buy in order							
	Answer:	X							
	Make comment or override grade								
	Incorrect								
	Correct answer: 1860.47 Marks for this submission	: 0/1.							
9 👺		3. On July 1, 2023, the balance is 20,800. Immediately after calculation of this balance, 1,456 is withdrawn from the account. 24,960 is in the account on January 1, 2024. What is the time-weighted rate of							
Marks: 1	return over 2023?								
	Answer:								
	-	<u> </u>							

Make comment or override grade

Incorrect Correct answer: 0.6774

Marks for this submission: 0/1.

40 =	The fellowing table since information								
10 👺	The following table gives information of	oncerning an investment fund:					, , , , , , , , , , , , , , , , , , , ,		
Marks: 1			Calendar Year	2023	2024	2025	2026		
				RM millions	RM millions	RM millions	RM millions		
			Value of fund at 30 June	-	480	580	660		
			Net cash flow received on 1 July	ļ-	50	48	65		
			Value of fund at 31 December	430	550	600	x		
	If the time weighted rate of return earned on the fund during the period from 31 December 2023 to 31 December 2026 is 9% per annum effective, calculate X, the value of the fund on 31 December 2026.								
	, and the second	· .			•				
	Answer:								
	L						🗶		
	Make comment or override grade								
	Incorrect								
	Correct answer: 731.321435								
	Marks for this submission:	0/1							
	Marks for this submission.	0/1.							

Moodle Docs for this page

You are logged in as Yong Chin Khian (Logout)

UECM1404-202305-EZZ